

The GARZETTE

February 2004

Volume 13, Issue 2



In This Issue:

President's View	1	Welcome all amateur radio operators and enthusiasts. It's almost March (& may be March when you read this) and the first quarter is almost gone.
Garzette Info	2	How time flies. It's coming into springtime and maybe some bad weather. Are you prepared? Now is the time to check your go boxes, go packs or your emergency kit to make sure it is ready to go.
President's Desk cont.		This year 2004 looks like a year of change for the Amateur Radio Service, from new licenses to BPL.
Club Calendar		I'm sure everyone has an opinion on every topic. That is great. That's what I like about the good old U.S.A.
GARS Elmers	3	We can sit down and talk about opinions and then go have a beer or coffee. This year is an election year and the mud seems to be flying. I know whom I'll vote for, and if you disagree that's fine don't vote. (just kidding)
Contest Schedule		Seriously, the best way to be heard is to vote. Every American should not leave it to the next guy. You may not like what was voted on. I guess the best phrase about the whole situation is, "If you don't vote don't complain."
Minutes of meeting (February 10, 2004)	4	Now let's get out there and operate the radio!
Upcoming Meeting Programs	5	Are you having fun yet?
Why one should join GARS	5	Have you been to the Richards Middle School Radio Club meeting?
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Map	8	Are you making antennas?
Membership Application	9	What about helping N1TWX with the classes?
Area Club Meetings and VE Exam Schedules	10	What is your passion about Amateur Radio?
		Those are some questions that you should be answering. There are a lot of things to do. We have an excellent executive committee and they are trying to provide you an opportunity for some of these things this year. Our program chairman, wb4qdx is busy getting things lined up for us. We do need to fill a few positions before to long. Let's go over the executive committee and the committee chairman now.



(Continued on page 2)

The GARZETTE

The GARZETTE is the official monthly organ of the Gwinnett Amateur Radio Society serving its members and other persons interested in the advancement of the amateur radio art.

Original articles, art, and photos are invited and encouraged. Previously copyrighted submissions cannot be accepted for reprinting unless permission from the appropriate publisher is provided in writing along with the information being submitted. If reprints are from publications allowing their unrestricted use, please include a copy of the printed permission contained in the publication.

If possible, bring your articles to the monthly meeting in Microsoft Word or rich text or text or HTML format or by email to k4bet@arrl.net. Artwork can be accepted in most any graphics format and can be submitted via email to the same address. Alternate means of submittal can be arranged when necessary.

In keeping with the amateur radio spirit, permission is hereby granted for the reproduction of *The GARZETTE* articles by other amateur radio club newsletters provided that proper credit is given to the individual author and *The GARZETTE*.

The GARZETTE is published each month with the assistance of Hal Manning, who prints the news letter. Rick Patchin, KD4RFK doing the final production work on *The GARZETTE* by folding & labeling. John A. Davis, WB4QDX, stamps and gets the end product to the Post Office each month. Paul McInnish, K4BET, provides email delivery. Many thanks to each of them and all article contributors.

Deadline for submissions is the 20th of each month for inclusion in the following month's issue.

For any additional information contact:

Newsletter Editor:

Paul McInnish — K4BET

770-237-2364

k4bet@arrl.net or... k4bet@bellsouth.net

All correspondence relating to articles posted in *The GARZETTE* or for information concerning advertising rates should be directed to the following address:

Gwinnett Amateur Radio Society

P.O. Box 88

Lilburn, GA 30048

Attn: Newsletter Editor

President's Desk...

(Continued from page 1)

PRESIDENT: David Adcock, KA4KKF
 VICE PRESIDENT: Earl Whatley, AF4FG
 TREASURER: Dan Koehan, KF4YSU
 SECRETARY: Ken Dalton, KI4BQS
 ACTIVITIES CHAIRMAN: John Davis, WB4QDX

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WAS/VUCC Checker:	Don Ennest, KS4WR
Net Manager:	Open
Field Day Co-Chairs:	Open
Education Coordinator:	Win Jackson, N1TWX
Club Meeting Coordinator:	Jack Shipley, W4UVQ
Apparel Manager:	Dan Keohan, KF4YSU
Holiday Party Co-Chairs:	Mavis Plotz, N9FWG & Carl Plotz, WB9JSW
QSL Manager:	Ade Wirth, W4ADE
Webmaster:	Open
Scholarship Chair:	Carter Wood, AG4LK
CW Net Manager:	Ron Langston, WE5O
Technical Advisory:	Mike Swiderski, K4HBI
Historian:	open
Venture Crew & Jr. GARS:	Steve Back, WB2OGY
Richards Middle Sch. Radio Club:	Sharon Carter, KG4HKO
STARS (SciTrek Radio Station):	Norman Schklar, WA4ZXV

As you can see, the club needs your help in filling these positions. Please give us a call if you are interested. This should tie the ribbons on it for this month. Have a great Saint Patrick's Day too.

73, David
KA4KKF

CLUB CALENDAR

- GARS Monthly club meeting is the 2nd Tuesday of the month at 7:30 PM. We meet at the First United Methodist Church in Lawrenceville.
- GARS Monthly exec meeting is the 2nd Tuesday of the month at 6:30 PM. We meet at the First United Methodist Church in Lawrenceville. Anyone interested is welcome to attend.
- Every Monday at 8 PM local time: GARS Want, Swap, Sell, and Information Net on the GARS 2 meter repeater
- Every Thursday at 8 PM local time: GARS CW Practice Net with WE5O
- Every Wednesday at 9 PM local time: GARS 6 meter net on the GARS 6 meter repeater
- Every Saturday at 8AM local time: GARS Weekly Family Breakfast, Golden Corral Restaurant, Riverside Drive, Lawrenceville
- 20th of each month: Deadline for submittal of articles for the following month's GARZETTE

Executive Committee Meeting

All interested individuals are invited and encouraged to attend the monthly Executive Committee Meeting. Presently, these gatherings occur one hour in advance of the regular Club Meeting. The location is in a classroom immediately near the Club meeting space.

Several years ago these Executive Committee meetings were instituted for the purpose of saving more time in our Club meetings for "radio talk" verses the business of the Club. To that end, they have been successful. However, some members enjoy ALL aspects of the Club, and as such, are encouraged to come, participate, share insights and opinions! We will all be benefited by the sharing of ideas & experience.

For the latest Club news, visit the GARS Website at:

www.gars.org

CONTEST SCHEDULE

- March** 6-7 ARRL International DX Contest (Phone) Rules
- June** 12-14 ARRL June VHF QSO Party
- June** 19 Kid's Day Rules
- June** 26-27 ARRL Field Day Rules
- July** 10-11 IARU HF World Championships
- August** 7-8 ARRL UHF Contest
- August** 21-22 ARRL 10 GHz and Up Contest

GARS Elmers

Many of us Hams got interested in the hobby (service) as a result of some influence an experienced Ham had on us. The GARS organization is blessed with a lot of talented members that are willing to share their knowledge. The following list is made up of those individuals willing to serve as Elmers. Hopefully, this list will grow, and in time, maybe we'll get more who are willing to add a particular area of expertise.

KF4KSE David Moon (770) 279-9924
mobile radio installation

KG4IUM Andrea Hartlage (770) 963-2715
making QSL cards

KG4FXG, Bill Carter, (770) 339-4531
Mobile CW

WA4DYD, Stan Edwards (770) 923-8770
Emergency Communications

GENERAL INFORMATION:

WE5O Ron Langston (770) 569-8354

N1TWX Win Jackson (404) 869-1347

W4WKP Johnnie Fearon (770) 207-0020

WB2YAD Duane Reynolds

WB9JSW, Carl Plotz

K4MJK Mike Kovak

K4CB Carter Bennett (770) 923-5446

W4ADE Ade Wirth (770) 614-3743

K4HBI Mike Swiderski (770) 449-0369

W8KJM, Barney Barnes (APRS)

If you'd like to be a GARS Elmer, please email the editor of the Garzette:
k4bet@arrl.net or call 770-237-2364

CLUB OFFICERS

President

David Adcock, KA4KKF

Vice President

Earl Whatley, AF4FG

Secretary

Ken Dalton, KI4BQS

Treasurer

Dan Keohan, KF4YSU

Activities Manager

John Davis, WB4QDX

BOARD OF DIRECTORS

David Adcock, KA4KKF

Johnny Fearon, W4WKP

Marty Fowler, KE4MLH

COMMITTEES

Membership

John A. Davis, WB4QDX

770-962-6129

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770-925-9549

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Eddie Foust, WD4JEM

Tech Fest

OPEN

WAS/VUCC Card Checker

Don Ernest, KS4WR

Net Manager

OPEN

Field Day Chair

OPEN

Education Coordinator

Win Jackson, N1TWX
(404)869-1347

Club Meeting Coordinator

Jack Shipley, W4UVQ

Apparel Manager

Dan Keohan, KF4YSU

Holiday Party Co-Chairs

Carl Plotz, WB9JSW

Mavis Plotz, N9FWG

QSL Manager

Ade Wirth, W4ADE
(770)614-3743

Webmaster

OPEN

Scholarship Chairman

Carter Wood, AG4LK

CW Net Manager

Ron Langston, WE5O

Technical Advisor

Mike Swiderski, K4HBI

GARS MEETING MINUTES**February 10th 2004**

GARS President Carl Plotz opened meeting at 19:35.

Introduction of Officers and Committee Chairmen

Introduction of Members

Rich – Relocating to Salt Lake City, UT. Discussed duties of Garzette Editor

Paul – K4BET – Recently had knee surgery – doing better

Steve – WB2OGY – Scheduled for back surgery on 2/11

Carl reviewed Scholarship Plan during meeting. Membership had several questions that need to be answered prior to approval.

Annual Club Elections

David – KA4KKF elected as President by acclimation

Earl- AF4FG elected Vice-President by acclimation

Dan – KF4YSU elected Treasurer by acclimation

Ken – KI4BQS elected Secretary by Acclimation

John – WB4QDX elected Activities Manager by Acclimation

Treasures Report –

No unusual spending

Dan announced that he is also Apparel Chairman. See him if interested in purchasing logo items.

Program – CW Traffic Nets

Meeting adjourned at 20:50

Submitted by:

J. Morgan Ringold, KG4PAN

GARS Club Secretary

LINUX pronounced as lee-nux. This month's QST has a very good article on Mandrake Linux 9.2. It is under Digital Dimensions page 92.

If you are interested in using an OS other than Microsoft windows, you should check this out. I have downloaded the images if you want to use them. There is more to computing than windows. 73,

David, KA4KKF

Ed note: Hmmmm, I even heard of another operating system... "MAC"?

March Club Presentation

Club member Stan Edwards—**WA4DYZ**, will give us a presentation on the Amateur Radio Emergency Service (ARES). Stan serves as the Gwinnett County ARES Director. Gwinnett County (ARES) is a model of organization and cooperation between Amateur Radio and local government.

Member Spotlight

Editors Note - At the November 2003 GARS Club meeting, it was proposed that a couple of our members would be selected each month and asked to write a small feature spot for the Garzette. The writers could introduce themselves to the Club or select any topic germane to our Amateur Radio interests. This is strictly voluntary; no pressure will be applied! Just have fun with it. Send it to the editor: Paul McInnish, K4BET, k4bet@arrl.net (Yep, with pictures)

17 REASONS TO JOIN THE GWINNETT AMATEUR RADIO SOCIETY

1. Have fun and meet people who share your interest in the various aspects of the radio art - amateur radio, scanning, shortwave listening, amateur television
2. Join those who have a wide and deep experience with amateur radio, who will make you feel welcome and happily share their knowledge with you
3. Join a local Gwinnett County based organization, the Gwinnett Amateur Radio Society (GARS)
4. GARS is the largest and most active amateur radio club in the Atlanta area. There are always lots of activities going on
5. GARS offers ham radio license classes so you can expand, or share, your knowledge of radio. GARS also conducts an annual Tech Fest where you can learn or share a special segment of radio
6. GARS serves its local community and provides a way for you to do so using your interest in radio
7. GARS does the most public service activities of all radio clubs in the Atlanta area, providing radio coordination of public events - the March of Dimes Walkathon, The Dacula Parade, Special Olympics, the Buford 5K run, to name a few
8. GARS demonstrates its commitment and readiness to help its community during emergencies by conducting its annual Field Day event in which it sets up multiple emergency communications paths and establishes contacts across the United States and worldwide for twenty four hours continuously, without commercial power. Join in this event to develop and demonstrate your skills
9. GARS supports the Gwinnett County Amateur Radio Emergency Services (ARES) with its facilities, members and knowledge to provide back up communications services to Gwinnett County and state government departments during emergencies and disasters
10. GARS serves its community with its repeater systems on 6 meters, two meters and 70 centimeters. These facilities have been used during emergencies such as tornadoes (1998, 2000) to help its community as well as to provide common communication facilities for area amateur operators
11. GARS conducts radio demonstrations at local movie theaters and other public facilities where you can participate to develop and demonstrate your own radio skills
12. GARS keeps their members informed on club and radio matters with its GARZETTE newsletter which has been recognized as one of the top three radio club newsletters in the nation
13. GARS has its own, constantly updated web site dedicated to amateur radio and club activities (<http://www.gars.org>) to keep you informed
14. GARS provides education and training for local Boy Scout organizations
15. GARS provides young people the opportunity to build their life skills and knowledge, both technical and human, with community serving activities utilizing their interest in radio
16. GARS has weekly family breakfasts at a local restaurant for members to share fellowship and common interests
17. GARS conducts a weekly Swap, Sell and Information Net where you can obtain radio items and information

Attention All Amateurs...

ARRL Web Page - www.arrl.org

FEMA to FCC: BPL will "Severely Impair" Mission-Essential HF Operations (Dec 8, 2003) -- Expressing "grave concerns" about likely interference from unlicensed Broadband over Power Line (BPL) systems, the Federal Emergency Management Agency (FEMA) has told the FCC that BPL could "severely impair FEMA's mission-essential HF radio operations in areas serviced by BPL technology."

FEMA filed comments December 4 in response to last April's FCC BPL *Notice of Inquiry*, ET Docket 03-104. FEMA expressed primary concern over BPL's potential impact on the FEMA National Radio System (FNARS), which operates on HF and serves as the agency's primary command and control backup medium as part of the Federal Response Plan. BPL also could render such "essential communications services" as the Radio Amateur Civil Emergency Service (RACES), the Military Affiliate Radio System (MARS) and the Civil Air Patrol (CAP) useless, FEMA said. FEMA and ARRL last year signed a *Memorandum of Understanding* that focuses on how Amateur Radio personnel may coordinate with the agency to support emergency communications functions.

Editors note: This is being repeated because it is felt this will seriously & dramatically affect low frequency amateur communications; the editor has had the opportunity to witness AND listen to the severe amount of QRM & QRN this technology will bring about! Send your setters, we have got to stop this .

GARS Apparel

Several items of clothing that feature our Club logo and/or your callsign are available to Club members. These items include polo shirts, sweat shirts, caps, jackets and other articles. Callsign badges can also be ordered. See Dan Keohan, **KF4YSU**, at the next Club meeting for a listing of items and their associated costs.

Contact a Club officer if you have a suggestion for an upcoming Club meeting speaker or topic.

Here is a funny:

GREAT TRUTHS THAT LITTLE CHILDREN HAVE LEARNED:

- 1) No matter how hard you try, you can't baptize cats.
- 2) When your Mom is mad at your Dad, don't let her brush your hair.
- 3) If your sister hits you, don't hit her back. They always catch the second person.
- 4) Never ask your 3-year old brother to hold a tomato.
- 5) You can't trust dogs to watch your food.
- 6) Don't sneeze when someone is cutting your hair.
- 7) Never hold a Dust-Buster and a cat at the same time.
- 8) You can't hide a piece of broccoli in a glass of milk.
- 9) Don't wear red polka-dot underwear under white shorts.
- 10) The best place to be when you're sad is Grandpa's lap.



A NEW DIGITAL MODE! DOMINO!

domino is a simple Amateur Radio mode for keyboard QSO's. **domino** provides digital chat-mode operation on the HF bands, using the well respected sound card technique.

Use *any* SSB transmitter, even an old "steam radio" type.

- simple QSO mode with limited file transfer capability -
- typing speed 30 to 60 WPM, low bandwidth -
- linear transmitter not required -
- incredible tuning tolerance -

domino will handle TX/RX offsets and mistuning of 200Hz with ease, and will provide perfect copy of drifting signals up to 200Hz/minute! It also has excellent multi-path performance.

Three **domino** modes offered. Choose the one you need for the prevailing conditions:

Mode	Baud	Bandwidth	Tones	Speed
domino8	7.8125	158Hz	16	31 WPM
domino11	11.025	223Hz	16	44 WPM
domino16	15.625	316Hz	16	62 WPM

domino is an **MFSK** mode, sensitive, immune to interference and ionospheric effects. Several new techniques - interleaved multiple tone sets, incremental coding and others - make **domino** easy to use, easy to tune, and ideal for beginners.

- very quick to tune -
- needs no error correction -
- faster sync than other modes -
- designed for slick QSO exchanges -

The signal sounds rather like MFSK16, but has an unusual "falling" sound to the tones. Instead of a single tone during idle, there is a falling staircase that is quite distinctive, both to the ear, and on the waterfall. If you are on the wrong sideband, there is a "rising" sound instead.

More information can be seen on this web page (or do a Google search).

<http://www.qsl.net/zl1bpu/MFSK/domino/>

Ed note: A TNX to our President, David Adcock, KA4KKF for this interesting note on a new technology!

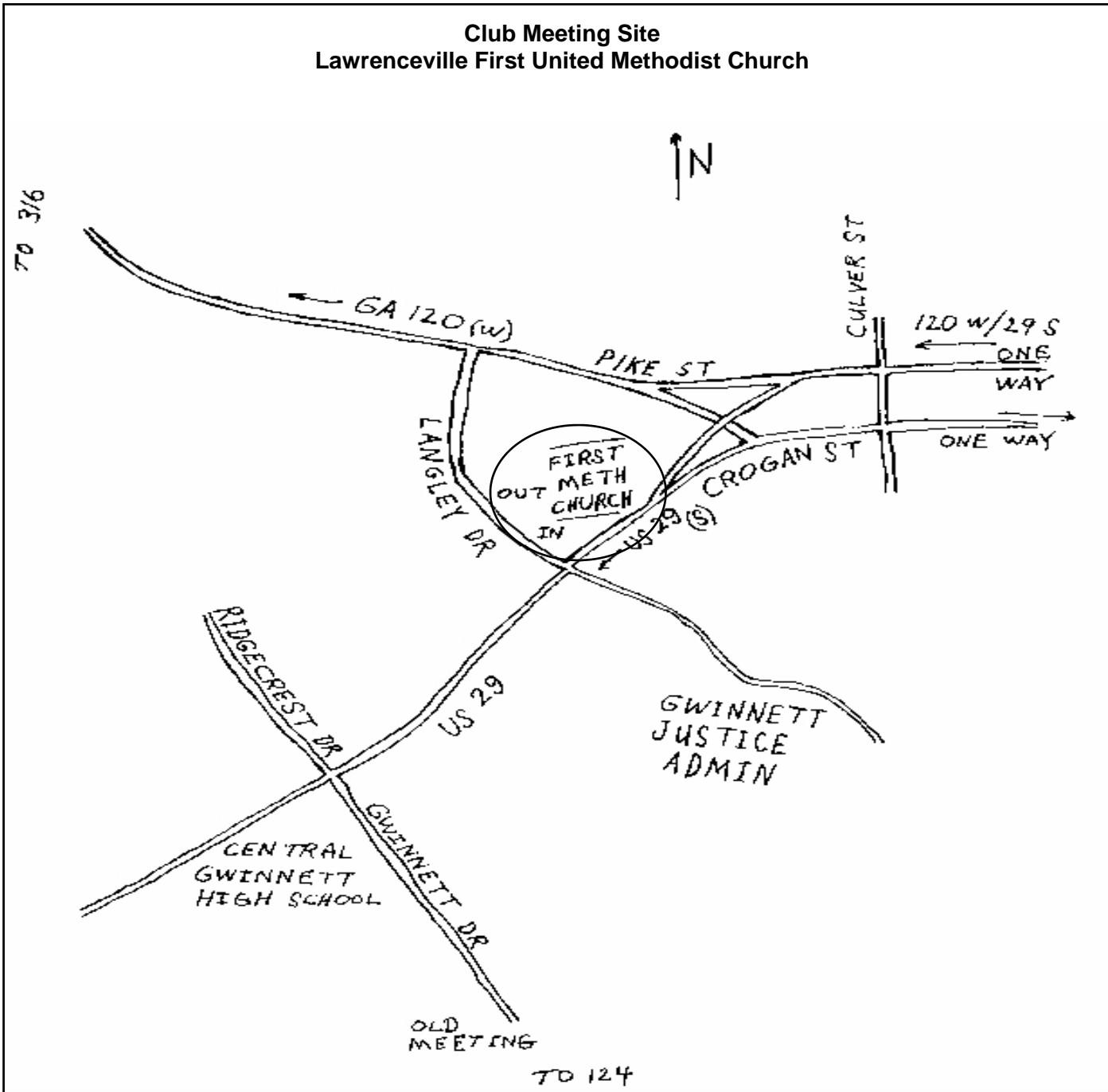
**"The Radio Amateur is Considerate,
Loyal, Progressive, Friendly,
Balanced, and Patriotic"**

-- The Amateur's Creed, Paul M. Segal
(9EEA)

FOR SALE!

Palm Pilot IIIc (Color & Latest OS)
Leather Franklin Covey Case (with 12 months planner inserts)
USB or Serial + Desk Cradle
Desk Top Software
Plus several other options! (Including bible SW + other pgms. installed)
Paul McInnish, K4BET
k4bet@arrl.net
770-237-2364 (H); 678-684-2011 (O); 678-429-2124 (Cell)

Talk-in directions are available on the GARS Club repeater - 147.075



We'll see you at the next GARS Club meeting:

09 March 2004

Bring a friend! Bring a co-worker! Bring a neighbor!



Gwinnett Amateur Radio Society
P.O. Box 88
Lilburn, GA 30048

MEMBERSHIP APPLICATION

- NEW MEMBER
 RENEWAL

Amateur Call Sign _____ License Class Novice Technician General
 Advanced Extra

Name _____

Address _____

City _____ State _____ Zip _____ - _____

Email address _____

Home Telephone _____ Work Telephone _____

Cell Telephone _____ Date of Birth _____ / _____ / _____ (mm/dd/yy)

ARRL Member Yes No Life (circle one)

Interests _____

I prefer to receive the GARZETTE newsletter by: US Mail Email (please check only one)

Type of Membership

- Individual \$30.00 annually
 Student \$15.00 annually
 Senior \$15.00 annually (over age 65)
 Family ** \$35.00 annually

** Available for family members residing at the same address

Optional Contributions

Repeater Fund \$ _____
 Scholarship Fund \$ _____

Additional Family Members **

Name _____ Date of Birth _____ / _____ / _____ (mm/dd/yy)

License Class Technician General Extra ARRL Member Yes No Life

Interests _____

Name: _____ Date of Birth _____ / _____ / _____ (mm/dd/yy)

License Class Technician General Extra ARRL Member Yes No Life

Interests _____

I agree to abide by the By-Laws of the Gwinnett Amateur Radio Society and understand that membership is subject to the approval of the Club.

Applicant Signature _____ Date _____ / _____ / _____

GARS USE ONLY

Date App Rcvd _____ / _____ / _____
 Pmt Rcvd _____ / _____ / _____
 Payment Amt \$ _____
 Mem Appr _____ / _____ / _____
 Database _____ / _____ / _____

Metro Atlanta Club Meetings

First Tuesday

Kennehoochee ARC
First United Methodist Church in
Marietta
Meeting begins at 7:30 PM
Talk In 146.880(-)

Second Monday

Georgia Tech ARC
Room W218
Van Leer Electrical Engineering
Bldg.
Georgia Tech Campus
Meeting at 7:00 PM

First Thursday

Atlanta Radio Club
Georgia Red Cross HQ
1955 Monroe Dr., Atlanta
Meeting is at 7:30 PM
Talk In -146.820(-)

N.E. Georgia ARC

209 Athens St.
Jefferson
Meeting is at 7:00 PM
Talk In - 147.225(+)
PL 123.0

North Fulton Amateur Radio League
Southern Skillet
1037 Alpharetta St., Roswell
Dinner at 6:30 PM, meeting at 7:30 PM
Talk In - 145.47(-)

Second Thursday

Alford Memorial Radio Club
Annistown Road Baptist Church
Intersection of Annistown Rd &
Spain Rd
Stone Mountain
Dinner at 6:00 PM
Meeting at 7:30 PM
Talk In - 146.760(-)

First Saturday

North GA QRP Club
Wiecu Baptist Church on
Peachtree Rd/Wiecu, 10 AM

Metro Atlanta VE Exam Schedule

GARS publishes Metro Atlanta area VE exam schedules as a service and is not responsible for errors or changes. Call and confirm schedules before going. All sessions are walk-in. Take copies of current license and certificate of completed elements with you to all sessions. Find additional sessions online at www.arrl-ga.org

First Sunday, Even Months

WCARS VEC
2:00 PM

Johnson High School 3305 Poplar
Springs RD, Gainesville Terry Jones,
W4TL (770)967-6364

Third Saturday

CA VEC
9:00AM

Marietta First United Methodist
Church Room 305, 56 Whitlock Ave
Marietta
David Still, WB4RRD
(770) 973-2566

First Saturday, Even Months

9:00AM
EOC Building
Butch Nitz, AF4FS (770) 968-8780

Fourth Tuesday

ARRL VEC
7:00 PM

United Way Service Center
6279 Fairburn Road, Douglasville

Second Tuesday

7:00PM
Walton EMC
3645 Lenora Church Rd, Snellville
Wayne Taylor, WD4CCA
(770)498-7759

Fourth Friday

W5YI VEC
7:00 PM

St. John Neumann Church
801 Tom Smith Road Lilburn
Headphones Provided! Howie Gould,
W9HG (770)921-8362

Fourth Sunday

2:30 PM
Georgia Tech Student Center
Room 301
David Ziskind, KE4QLH
(404) 966-6864

GARS Communication System

6 Meter Repeater

53.110 (-1 MHz)
82.5 PL Tone

2 Meter Repeater

147.075(+) MHz
82.5 PL Tone

70 Cm Repeater

444.525(+) MHz
82.5 PL Tone

APRS

144.390 -- 1200 Baud
W4GR/Relay

Main Repeater Site

Oak Street, Lawrenceville

Backup Repeater Site

Lanier Mountain, Snellville

Remote Receive Sites

Bogart Road*, Buford

Goshen Springs Road, Norcross

Lanier Mountain, Snellville

*Indefinitely off-the-air



GWINNETT COLLISION CENTER, INC.

305 Sharon Ind. Way
Suwanee, Georgia 30024
945-0161

Import and Domestic
Unibody and Frame Repair

Marty Fowler, KE4MLH Mark Justice

WORLDWIDE DISTRIBUTION

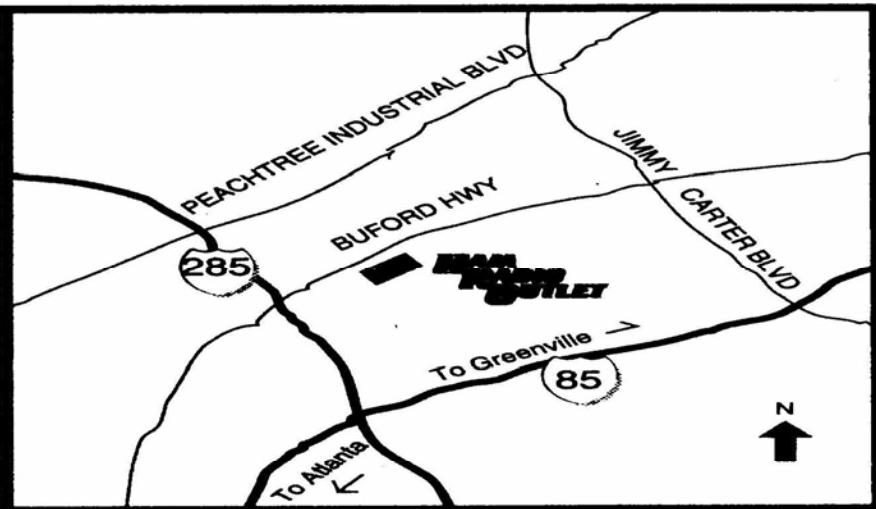


HAM RADIO OUTLET

Mark Holmes
Manager
KJ4VO

6071 Buford Hwy.
Atlanta, GA 30340 (Doraville)
770-263-0700, 1-800-444-7927
Fax 770-263-9548

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(800) 444-7927
24 Hour FAX (770) 263-9548
Email: atlanta@hamradio.com

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David KE4VDH
Smitty W4MMS
David KE4QME
Bill KF8AZ
Mike N4MLB
Tim W4EGT
Dale W4GCL
Josh W4JDH

Alinco
Icom
Japan Radio Corp
Kenwood
Premier/ADI
Yaesu
Alpha Delta
Arrow
Butternut
Create
Cushcraft
Diamond
Force 12
Hustler
Hy-Gain (Telex)
KLM
Larsen
M2
Premier
Valor
Van Gorden



Gwinnett Amateur Radio Society
PO Box 88
Lilburn, GA 30048

To receive the **Garzette** via email, contact:

John Davis, wb4qdx@gars.org or...

Paul McInnish, k4bet@arrl.net



March 2004

9th 6:30pm—Executive Committee

9th 7:30pm—GARS Club Meeting

26th VE Session